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Dr. Derrick C. Mancini is the Associate Director for Facilities and Technology of the Center for Nanoscale Materials (CNM) at Argonne National Laboratory. He is also the leader of the Nanofabrication Group at the CNM, an Adjunct Assistant Professor of Electrical Engineering at the University of Illinois at Chicago, and a Research Professor of Physics at the Illinois Institute of Technology. He earned his B.A. in History and B.S. in Engineering Physics at Cornell University, his M.S. degrees in Materials Science and Physics at the University of Wisconsin–Madison, and his Ph.D. in Physics from Uppsala University. He established a program and beamline for X-ray lithography at MAX-Lab at Lund University before going to work at the Advanced Photon Source in 1995, where he established programs in deep X-ray lithography (LIGA), X-ray nano-optics, X-ray microtomography, and high-throughput X-ray microanalysis using synchrotron radiation. He has been the Project Manager of the CNM Project since 2002, having successfully managed the \$72M project for the design, construction, and instrumentation of the CNM. He has 30 years experience in synchrotron radiation research and participated in the design and construction of 7 synchrotron radiation beamlines. He has 25 years experience in advanced lithographic technologies. His current research interests are in the areas of advanced nanofabrication techniques, nanofluid and nanogels, and the applications of synchrotron radiation to nanotechnology. He has coauthored over 135 papers and 3 patents, and is a recipient of an R&D 100 Award.